

Appl. No. 10/065,908
Amdt. dated October 27, 2005
Reply to Office action of July 27, 2005

REMARKS/ARGUMENTS

1. Allowable Material

Examiner:

5 Claims 6-11 allowed.

Response:

Allowance of claims 6-11 is acknowledged and appreciated.

2. Claim Rejections

10 Examiner:

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Goo (5,677,215) in view of Guterman (4,422,092) further in view of Wen et al. (5,825,069).

15 Response:

The present invention discloses the use of a plurality of drains, a common gate, and a common source to form one ROM cell. Each of the plurality of drains can hold one bit of data and can be accessed individually (Paragraph [0022]). It is unclear how the disclosure of Guterman teaches utilizing a plurality of drains with a common source and gate. Referring to Figs.1, 2, and 3a-3d, Col.2 of Guterman discloses "Each cell is a MOS transistor having a control gate 11, a source 12 and a drain 13." There appears to be only one drain 13 for each cell, the difference being that each cell of Guterman can only hold one bit of data, while each cell of the present invention can hold a plurality of bits of data while saving the space on the substrate normally occupied by an additional source and gate region for each drain.

20 However, without disclaimer of any kind regarding any and all claims in this application, the Applicants have chosen to amend claim 1 to further point out this distinction. The added limitation of "wherein each of the heavily doped regions is an individually programmable drain of the ROM cell" is supported by Paragraphs [0022], [0026] and Fig.6 among others. No new material has been introduced and

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Applicants respectfully request reconsideration and allowance of Claims 1-4.

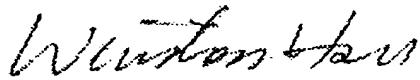
Additionally, please accept and consider for allowance new independent claim 13 and new claims 14-18 dependent thereon. Claim 13 is for a memory array of cells according to the present invention and is again supported by

5 Paragraphs [0022], [0026] and Fig.6. No new material has been introduced.

Dependent claims 14-18 are supported similarly and no new material has been introduced.

The Applicant believes that the present application is now in condition for allowance as required and respectfully requests that a timely Notice of Allowance be
10 issued for this case.

15 Sincerely yours,



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Winston Hsu, Patent Agent No. 41,526

20 P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

Facsimile: 806-498-6673

e-mail : winstonhsu@naipo.com

25 Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)